

AA --A lens unit and a camera capable of achieving stereoscopic television function and zoom function at the same time. More specifically, a lens unit (2) and a camera (1) each including at least a zoom lens (4), light quantity adjusting device (6 or 20), an electronic optical shutter provided on a stage of the zoom lens (4), and an optical shutter driving portion for controlling the electronic optical shutter (6) to open (6A, 6B) in a predetermined pattern.--

IN THE CLAIMS

Please amend claims 1-19 by rewriting same to read as follows:

AA --1. (Amended) A lens unit comprising:  
a zoom lens;  
light quantity adjusting means;  
an electronic optical shutter provided on a stage of said zoom lens; and  
an optical shutter driving portion for controlling said electronic optical shutter to open in a predetermined pattern.

--2. (Amended) The lens unit according to claim 1, wherein said light quantity adjusting means is a diaphragm for changing the size of an opening mechanically.

--3. (Amended) The lens unit according to claim 1,

wherein said light quantity adjusting means is a filter.

--4. (Amended) The lens unit according to claim 1, wherein said electronic optical shutter is disposed near said light quantity adjusting means.

--5. (Amended) The lens unit according to claim 1, wherein said electronic optical shutter is composed of a liquid shutter.

*App  
cont*  
--6. (Amended) The lens unit according to claim 1, wherein said predetermined pattern is switched to a pattern having an opening on the left and a pattern having an opening on the right alternately.

--7. (Amended) The lens unit according to claim 1, wherein said predetermined pattern changes corresponding to a zoom condition of said zoom lens.

--8. (Amended) The lens unit according to claim 1, wherein said electronic optical shutter is utilized simultaneously as said light quantity adjusting means.

--9. (Amended) The lens unit according to claim 8, wherein said electronic optical shutter is composed of a liquid shutter.

--10. (Amended) A camera comprising:  
a zoom lens;  
light quantity adjusting means;  
an electronic optical shutter provided on a stage of said  
zoom lens; and

an optical shutter driving portion for controlling said  
electronic optical shutter to open in a predetermined pattern.

--11. (Amended) The camera according to claim 10,  
wherein said light quantity adjusting means is a diaphragm for  
changing a size of an opening thereof mechanically.

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--12. (Amended) The camera according to claim 10,  
wherein said light quantity adjusting means is a filter.

--13. (Amended) The camera according to claim 10,  
wherein said electronic optical shutter is disposed near said  
light quantity adjusting means.

--14. (Amended) The camera according to claim 10,  
wherein said electronic optical shutter is composed of a  
liquid shutter.

--15. (Amended) The camera according to claim 10,  
wherein said predetermined pattern is switched to a pattern  
having an opening on the left and a pattern having an opening  
on the right alternately.